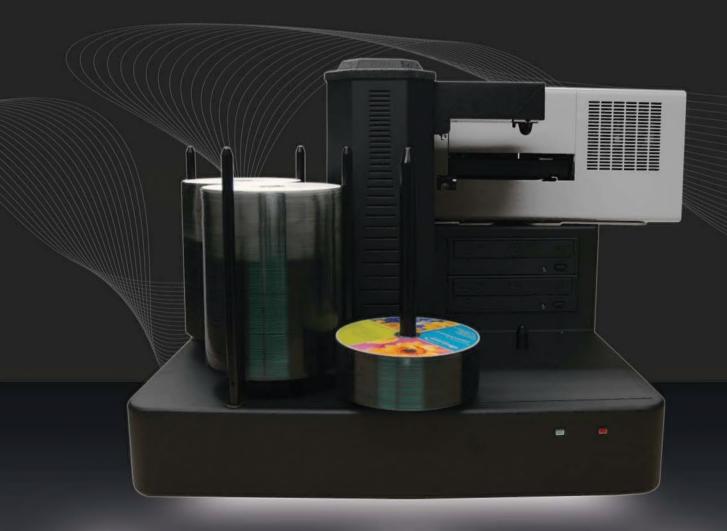# CRONUS

Inkjet or Thermal

2·DRIVES 4·DRIVES

CRONUS - THE PUBLISHING SYSTEM

Vinpower Digital offers fully automated asynchronous duplicators with a high-speed printer for an attractive, completely duplicated and printed disc. With a large disc capacity, our publishing systems can run numerous jobs without human intervention after the job(s) are submitted. This will help speed up production and reduce overall costs.

Blu-ray Disc

DVD

lightScribe
DIRECT DISC LABELING

Vinpower Digital has a fully automated asynchronous duplicator with a high-speed printer for an attractive and complete duplicated and printed disc.

BASIC OPERATION:

- Multi-drive duplication: Available with 2 CD/DVD or 2 Blu-ray/CD/DVD or 4 CD/DVD or 4 Blu-ray/CD/DVD recorders
- Large Disc Capacity: Offers up to 220 discs (2 drives) or 500 Discs (4 drives) capacity.
- Embedded PC: System does not require an external PC for operation – all applications are self-contained utilizing an internal PC motherboard and operating system.
- Flexible operating options: Works as an auto-printer, auto-duplicator, or as a complete publishing system for duplication and printing.
- All-in-one Disc Publisher system: Available with monitor, keyboard and mouse, for a nominal fee, so the system is ready to use out of the box.

SYSTEM ADVANTAGES:

- Automated Robotic Operation: System runs duplicating and printing applications through a robotic interface allowing for hands free lights-out operation.
- Hi-Speed Asynchronous Operation: Duplication drives able to work independently for continuous production at quick drive speeds without delays.
- Copy Protection Capable: Optional feature available to provide DVD & Blu-ray* video copy protection to greatly diminish the ability for unauthorized duplication and ripping of proprietary content.

PRINTING RELATED FEATURES:

- Integrated Hi-Res inkjet disc printer: System able to automatically print high resolution labels and text directly onto inkjet printable media quickly.
- Special Label Design software: Provided labeling software allows users an easy way to design attractive labels.
- Supports 3rd-party design software: it supports the most popular graphics files (such as .pdf, .prn, .std, etc. files).
- Supports LightScribe Disc Labeling: If the Cronus system purchased supports LightScribe labeling, then the BPR 2000 software can support the LightScribe labeling software.
- Supports Serial # / Barcode Printing: Able to generate unique bar code or serial numbers printed on each individual disc.
- Quick Text Printing (Text Overlapping): Able to add quick text printing in addition to provided label artwork.

NETWORK FEATURES:

- Network accessible: Able to access software and load jobs from anywhere within a given network.
- Built in 1GB LAN: For fast and reliable Network accessibility.
- No added License Fee for Network application: Can allow any number of authorized users to access and utilize the client software.
- Web Based Administration: Operating System able to be accessed and corrected through MIS remote online support.

RIPPING SUPPORT:

- Provides Data Ripping: All files and folder structure are cloned to the user hard drive.
- Supports Audio Ripping: Able to rip music files onto a PC HDD.
- Supports Archival Back-up: Capable of operating as an archival rip station for important back-up of content onto optical discs or from discs onto a server or HDD.
- Supports Job Queues: Provides the ability to queue multiple jobs for unattended operation of multiple different duplication and or printing assignments.
- Supports Multiple Job Queues: System is able to maintain multiple job queues for several users so that each individual user can maintain their own dupe and print files for use at a later date.
- Multi-master read-in support: Users can read-in a stack of masters and create ISO images.

ROBOTICS OPERATION:

- Hi-speed 24/7 operation: Able to perform constantly 24 hours a day, 7 days a week without fear of overheating with quick reliable robotic operation.
- User Friendly Interface: All job functions and system alerts operate in an easy to use and similar user interface for convenience and ease of use.

SOFTWARE FEATURES:

- Publishing Software Provided: The unit comes standard with the powerful BPR2000 software which supports a broad set of features and capabilities.
- Windows Based Operating System: The system includes a licensed Microsoft Windows OS along with a powerful Intel dual core processor for faster operation.
- Flexible Programing: Due to Windows based OS, users can easily design their own software through the Cronus system.
- Command line support: Able to integrate customer software to operate loader – allows customized API software support.
- Software update Available: Able to update proprietary software and firmware for future functionality.
- System error notification: System will email listed users notifications when jobs have been completed or to report any potential error conditions that may arise.

*Blu-ray video copy protection to be added in the future and only available on Blu-ray equipped models.

U.S. Government
Confidential Data

THE CARDIOVASCULAR INSTITUTE

FINNISH SAUNA & SPA
NEW YORK

Alpha Tiger Youth Basketball

Model:	CRONUS220-BD-S2T-IJ-BK CRONUS220-S2T-IJ-BK CRONUS220-BD-S2T-LSIJ-BK CRONUS220-S2T-LSIJ-BK	CRONUS500-BD-S4T-IJ-BK CRONUS500-S4T-IJ-BK CRONUS500-BD-S4T-LSIJ-BK CRONUS500-S4T-LSIJ-BK	CRONUS500-BD-S4T-IJ-PLUS-BK CRONUS500-BD-S4T-LSIJ-PLUS-BK	CRONUS220-BD-S2T-P55-BK CRONUS220-S2T-P55-BK, CRONUS220-BD-S2T-LSP55-BK CRONUS220-S2T-LSP55-BK	CRONUS500-BD-S4T-P55-BK CRONUS500-S4T-P55-BK, CRONUS500-BD-S4T-LSP55-BK CRONUS500-S4T-LSP55-BK	CRONUS500-BD-S4T-P55-PLUS-BK CRONUS500-BD-S4T-LSP55-PLUS-BK
Model Type:	Publishing system with embedded PC					
Number of Recorder Drives:	2		4		2		4
Network Capable:	Yes					
Memory:	2GB					
Hard Drive:	1.5TB (higher capacity available)		480GB High Performance SSD***	1.5TB (higher capacity available)		480GB High Performance SSD***
Operating System:	Licensed Windows OS with powerful Intel Dual Core Processor					

Print Function Specifications

Printing Method:	Inkjet				Thermal	
Max Disc Capacity:	220 Discs	500 Discs		220 Discs	500 Discs	
Print Resolution (dots per inch):	Up to 4800 x 1200 optimized dpi				400 dpi	
Included Ink Cartridges/Ribbon:	1 Color CMY (cyan, magenta, yellow) and 1 Black				1 Versamax Ribbon Set including a transfer roll	
Media Type:	Standard 120mm Inkjet Printable CD and DVD discs; Compatible with all traditional inkjet, glossy inkjet, and water-resistant inkjet media				Standard 120mm Thermal Printable CD and DVD discs	
Print Speeds:	25% coverage mono @ normal text-quality approx. 16sec per disc 25% coverage mono @ normal text-quality approx. 19sec per disc 100% coverage color @ normal text-quality approx. 24sec per disc 100% coverage color @ best inkjet-PhotoREt quality approx. 52sec per disc 100% coverage color @ photo-quality PhotoREt approx. 134sec per disc				Versamax: 68 discs per hour Color: 68 discs per hour Photo: 58 discs per hour Black: 104 discs per hour	
LightScribe Capable:*	Yes					

Recorder Specifications

Formats Supported:**	BD-ROM*, BD-R/RE*, Double Layer BD-R/RE * DVD-ROM, DVD-Video, DVD-Audio, DVD+R DL, DVD-R DL, DVD-R, DVD-RW, DVD+R, DVD+RW, CD-ROM (Mode1 & Mode2), CD-ROM/XA (Mode2 form1 & form2), CD-DA, Mixed-Mode, Video CD, CD-I, Karaoke CD(VCD), Photo CD (Single & Multi-session), CD-Extra, CD-Bridge, ISO9660, CD-R, CD-RW, CD+G

Software Specifications

Publishing Software:	BPR2000 Labeling and Burning Publishing Software
Software Included:	Cronus BPR2000 Labeling and Burning Software

Product Specification

Warranty:	1 year parts & labor against manufacturer defect. Warranty excludes physical damage or defect due to neglect or deliberate damage caused by the user.					
Firmware Upgradable:	Yes					
Support CopyLock Copy Protection*:	Yes					
Power Requirement:	Input voltage: 100 - 240 VAC					
Weight and Dimensions: (W x D x H)	55lbs (24.5" x 25" x16")	67lbs (24.5" x 25" x20")		55lbs (24.5" x 25" x16")	67lbs (24.5" x 25" x20")	
Operating Humidity:	20% ~ 80%					
Temperature Extremes:	40oC (104oF) / 5oC (41oF)					

* Available only on specific models. ** Ability to copy Blu-ray format depends on whether the writer drive supports that format. *** Provides 3x faster BD-R duplication speed under Async mode